



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

History and Method of Science. The first volume of this work was issued by the Oxford University Press in 1917. I understand that the second volume is now ready for the press and Dr. Singer tells me that he hopes to share with me the editorial responsibilities of the third and succeeding volumes. Thus, *Isis* and the *Studies* would be supplementary one to the other, and between them would provide suitable outlet for new work on the history and philosophy of science.

GEORGE SARTON

CARNEGIE INSTITUTION OF WASHINGTON

A STEADY CALENDAR

TO THE EDITOR OF SCIENCE: The interruption of our recent scientific meetings by the coming of Sunday in the middle of the (Christmas) week—a reputed impossibility that happens every five or six years—is one of the many inconveniences that we half-consciously endure as the result of inheriting a varying calendar from the unscientific past. If in adopting any one of the many improved calendars that have been proposed, we should annually sacrifice upon the altar of reason a single day in ordinary years and two days in leap years, as extra days without week-day names, then Christmas and New Years would always fall on the same day of the week; and by waiting to begin the sacrifice until those holidays come on a Saturday or a Monday, the scientific meetings of the last five days of the year, which have become so well established among us, would never thereafter be broken in half by an interrupting Sunday. Home celebrations and scientific meetings would both profit by the change. How can we best bring it about?

W. M. DAVIS

CAMBRIDGE, MASS.,
January 4, 1919

SCIENTIFIC BOOKS

Forced Movements, Tropisms and Animal Conduct. By J. LOEB. Philadelphia. 1918. Pp. 209, 42 figs.

The scope and character of this volume are in large part explained by the fact that it is

offered as one of a series of monographs in which it is proposed to cover the field of recent developments in biology. The announced titles of the volumes scheduled to follow this first number deal, not so much with rational divisions of the science, as with those particular phases of physiology that have been the subjects of investigation at the hands of the respective writers. This general plan, already justified by its success in the treatment of modern advances in physical and biological chemistry, and in human physiology, necessarily results in a less closely coordinated system of monographs when applied to physiology proper—the latest of the sciences to acquire a realization of the analytical significance of quantitative methods of thought.

The first volume of the proposed series, then, endeavors to present within the space of some 170 pages a concise statement of the theory of tropisms, their origin in forced movements under various forms of activation, and their importance for the analysis of animal conduct, including that of *Homo*. Much of the matter discussed is, of course, no longer new; about half the content of the book is already familiar from the author's similar article in Winterstein's "Handbuch," and other publications; but as a compact, clear, and characteristically vigorous statement of the essential quantitative data upon which the tropism doctrine now rests, the book is welcome and in the main satisfying. In the introductory section it is pointed out that tropistic phenomena, depending upon the orientations of the animal as a whole, rather than the segmental reflexes, must be made the starting point for the analysis of conduct; that these tropistic orientations must first be studied in the behavior of bilateral animals; and that the key to the understanding of tropisms lies in forced movements initiated through differential tensions in symmetrical contractile elements of the body, not in the distinction of "pleasure" from "pain." It is only on such a basis, so far as we know, that quantitative laws may be deduced adequate for the description of behavior. This procedure is illustrated partic-